



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3015-5

Job Sheet 186592



Part No: D3015-5

Job Qty: 50 ea

Part Name: SS Nylock Nut 7/16



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/17/18

Job Tracking No:

Due Date: 12/28/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP: A 01.10.31 New Issue SM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	50 pcs		12/28/18	0.00	0.00	Purchasing		NOV 24 2018
110	Packaging	50 pcs		12/28/18	0.00	0.00	Packaging2		NOV 24 2018
120	QC	50 pcs		12/28/18	0.00	0.00	QC6		38
130	Packaging	50 pcs		12/28/18	0.00	0.00	Packaging3-1		9-89
140	QC21-SA	50 Ea		12/28/18	0.00	0.00	QC21		21

Part Op 100 - Issue P/O: 41785 Possible Supplier: Acklands P/N: PFS LNNC716S1
Descriptions: 110 - Ensure Material Release Note is attached
140 - Possible Supplier: Main Industrial P/N: PFS LNNC716S1

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
PFS-LNNC7/16S1	SS Nylock Nut 7/16 D3015-5	50 Ea (1 ea)	100-Purchasing	5131171

CT x 450

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	PFS-LNNC7/16S1	50	0	0

Part Specifications

Specifications could not be found.



Container No: S131172



Part: D3015-5

Job No: 186592

Serial No/Batch: S131172

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 11/24/18

Plex 11/19/18 12:49 PM Dart.lajeunesse.marie

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

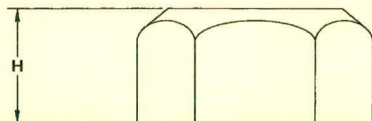
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table border="0"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :	Step #:	QTY Effective :	MRB (QSI042) Approval
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Description Work Order Deviation 	Disposition 	Completed By
		Lead hand / Supervisor Approval Verification
		QC / QA Coordinator Approval

Root Cause <table border="0"> <tr> <td>Environment ☐</td> <td>No Re-verification ☐</td> <td>Pressure/Forced ☐</td> </tr> <tr> <td>Design ☐</td> <td>Operator ☐</td> <td>Bending ☐</td> </tr> <tr> <td>Doc/Data ☐</td> <td>Offset/Setup ☐</td> <td>Centre Not Concentric ☐</td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>Supplier ☐</td> <td>Cracks ☐</td> </tr> <tr> <td>Handling/Pre ☐</td> <td>Training ☐</td> <td>Crimp/Kink/Ripple/Wave ☐</td> </tr> <tr> <td>Material ☐</td> <td>Use for Testing ☐</td> <td>Cuffs ☐</td> </tr> <tr> <td>Internal Transport ☐</td> <td>Poor Information ☐</td> <td>Crushing ☐</td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>Rushing ☐</td> <td>Heat Treat ☐</td> </tr> <tr> <td>LOA ☐</td> <td>Product Improvement ☐</td> <td>Wave/Twist in Tube ☐</td> </tr> <tr> <td>Substation ☐</td> <td>Process Improvement ☐</td> <td>Marks/Chatter ☐</td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>Manufacturing Process ☐</td> <td></td> </tr> <tr> <td>Misidentified ☐</td> <td>Past Due ☐</td> <td>OTHER : ☐</td> </tr> </table>		Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Design ☐	Operator ☐	Bending ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Past Expiry Date ☐	Manufacturing Process ☐		Misidentified ☐	Past Due ☐	OTHER : ☐	FAULT CATEGORY <table border="0"> <tr> <td>Temperature/Cure ☐</td> <td>Power Loss/Surge ☐</td> <td>Positioned Wrong ☐</td> </tr> <tr> <td>Set-up ☐</td> <td>Folio/Program ☐</td> <td>Outside Dimensions ☐</td> </tr> <tr> <td>BOM/Route ☐</td> <td>Grain ☐</td> <td>Over/Under tolerance ☐</td> </tr> <tr> <td>Broken/Damage/Defect ☐</td> <td>Weld ☐</td> <td>Part Incorrect ☐</td> </tr> <tr> <td>Inspection Incomplete/Unqualified ☐</td> <td>Wrong Stock Pulled ☐</td> <td>Part Lost/Missing ☐</td> </tr> <tr> <td>Contamination ☐</td> <td>Out of Sequence ☐</td> <td>Part Moved ☐</td> </tr> <tr> <td>Countersink ☐</td> <td>Off-set ☐</td> <td>Drawing ☐</td> </tr> <tr> <td>Cut Too Short ☐</td> <td>Mislabeled ☐</td> <td>Finish ☐</td> </tr> <tr> <td>Instructions Incomplete/Unclear ☐</td> <td>Fit/Function ☐</td> <td>Misread ☐</td> </tr> <tr> <td>Drill Holes ☐</td> <td>Misaligned/off center ☐</td> <td>Turning Sequence ☐</td> </tr> </table>		Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Countersink ☐	Off-set ☐	Drawing ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
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SPECIFICATION CONTROL DRAWING



D3015-X LOCKNUT

PART NUMBER	SIZE	HEIGHT H	POSSIBLE SUPPLIER
D3015-1	1/4-20 UNC	0.31	ACKLANDS, P/N PFSLNNC14S1
D3015-3	5/16-18 UNC	0.34	ACKLANDS, P/N PFSLNNC516S1
D3015-5	7/16-14 UNC	0.46	ACKLANDS, P/N PFSLNNC716S1
D3015-7	M5	0.19	ACKLANDS, P/N FLMN021-005-0000



NOTES:

- 1) MATERIAL: SS LOCKNUT WITH NYLON INSERT
- 2) FINISH: N/A
- 3) TOLERANCES: ALL DIMENSIONS SHOWN AS REFERENCE
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 186592M5
18-11-19

RELEASED
09/07/15

C	REFORMAT DWG, -7 P/N NOW FLMN021-005-0000 WAS LNNMSS1 (ZN B8-1), PAR 09-020	CP	09.07.08
B	ADD D3015-7	KJ	03.07.15
A	NEW ISSUE	DS	01.05.03
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.08		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3015 TITLE LOCKNUT REV. C SHEET 1 OF 1 SCALE NTS COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



Dart Aerospace Ltd.
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Hawkesbury, ON
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Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041785**

Supplier: MAI001-VC
Main Industrial Sales Ltd.
1475, Tessier
Hawkesbury
ON
K6A 3S6 Canada
Phone: 613 632 3595
Fax: 613 632 0262

PO No: PO041785

PO Date: 11/20/18

Due Date: 11/30/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
NOV 21 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		5/16WC		Washer	Firmed	-	11/30/18	1,000 Ea	0 Ea	1,000 Ea	\$0.037/Ea	\$37.00
2		A-205		Clamp receive ea	Firmed	-	11/30/18	2 Ea	0 Ea	2 Ea	\$439.20/Ea	\$878.40
3		CL-2-F		Ferrule	Firmed	-	11/30/18	30 Ea	0 Ea	30 Ea	\$0.352/Ea	\$10.56
4		FS121		Snap-On Socket, Shallow, 3/8", 6- Point	Firmed	-	11/30/18	4 Ea	0 Ea	4 Ea	\$26.61/Ea	\$106.44
5		OEX120B		Wrench	Firmed	-	11/30/18	4 Ea	0 Ea	4 Ea	\$52.49/Ea	\$209.96
6		PFS- LNNC7/16S1		SS Nylock Nut 7/16 D3015-5 receive ea	Firmed	-	11/30/18	50 Ea	0 Ea	50 Ea	\$0.282/Ea	\$14.10
7		PFS- LNNC5/16S1		Lock Nut D3015-3	Firmed	-	11/30/18	150 Ea	0 Ea	150 Ea	\$2.00/Ea	\$300.00
8		PM-18-20-11	PM-18- 20-11	Bushing	Firmed	-	11/30/18	4 Ea	0 Ea	4 Ea	\$17.47/Ea	\$69.88
9		5/16-18- 015C		SS Bolt 5/16- 181.5"	Firmed	-	11/30/18	100 Ea	0 Ea	100 Ea	\$0.266/Ea	\$26.60
10		7/16-14- 050C		SS Bolt 7/16 5" Long	Firmed	-	11/30/18	100 Ea	0 Ea	100 Ea	\$1.42/Ea	\$142.00
11		SWA10A- 1300	81210TN	Roller Thrust Bearing NBS Bearing	Firmed	-	11/30/18	4 Ea	0 Ea	4 Ea	\$138.11/Ea	\$552.44
Grand Total:											\$2,347.38	

DAS
38
9-88



Dart Aerospace Ltd.
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PURCHASE ORDER PO041785

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 11/21/18 10:34 AM dart.lavoie.chantal

MAIN INDUSTRIAL SALES LTD.

1475 TESSIER ST.
HAWKESBURY ON K6A 3S6
Phone: (613) 632-3595 Ext. Fax: (613) 632-0262
sales@mainindustrialsales.com

Packing Slip

DATE November 22, 2018
NUMBER 0000229663
CUSTOMER NO. DART

2 boxes

BILL TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

SHIP TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

(613) 632-5200 Ext.

(613) 632-5200 Ext.

P.O. NUMBER	SALESPERSON	ORDER DATE	REQ. DATE	ORDER NUMBER
41785 ✓	EB	16-Nov-18		0000229663
F.O.B.	SHIP VIA	TERMS		
F.O.B. value	OUR TRUCK / LOCAL	NET 30 DAYS		
PART NUMBER DESCRIPTION	UOM	QUANTITY REQ. SHIPPED B.O.		
0-516FWSS 5/16 18-8 FLAT WASHER DELIVERY: 23/11/18	EA	1,000	1,000 ✓	
0-A205 ENERPAC C-CLAMP DELIVERY: 2 WEEKS	EA	2		2
0-CL2F FERRULE DELIVERY: 2-3 WEEKS	EA	30		30
0-FS121 SNAP ON SHALLOW SOCKET DELIVERY: 30/11/18	EA	4		4
0-OEX120B SNAP-ON COMBINATION WRENCH DELIVERY: 30/11/18	EA	4		4
0-716CNLNSS 7/16-14 STAINLESS NYLON LOCKNUT DELIVERY: 23/11/18	EA	50	50 ✓	
0-516CNLNSS 5/16-18 18-8 NYLON LOCKNUT DELIVERY: 23/11/18	EA	150	150 ✓	
0-PM182011	EA	4		4

DAS
38
9-89

MAIN INDUSTRIAL SALES LTD.

1475 TESSIER ST.
HAWKESBURY ON K6A 3S6
Phone: (613) 632-3595 Ext. Fax: (613) 632-0262
sales@mainindustrialsales.com

Packing Slip

DATE November 22, 2018

NUMBER 0000229663

CUSTOMER NO. DART

BILL TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

SHIP TO:

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DESCRIPTION		REQ.	SHIPPED	B.O.
CARR-LANE LINER BUSHINGS				
DELIVERY: 2-3 WEEKS				
0-516X112CHBSS 5/16-1 X 1 1/2 18-8 HEX BOLTS	EA	100	100	
DELIVERY: 23/11/18				
0-716X5CHBSS 7/16-14 x 5" HEX BOLTS 18-8 STAINLESS	EA	100	100	
DELIVERY: 23/11/18				
0-81210TN NBS BEARING	EA	4	4	
DELIVERY: 23/11/18				
THANKS ERIC				

